



The sharp eye of cybersec

Success Stories: The Case for a Finance Institution

Overview

A medium-sized bank contacted our company to conduct a cybersecurity risk assessment for an important cash-management application they had just built and were planning to release very soon.

Problem

As our application security team conducted a thorough security review of the front-end, middleware, database, and support systems layers, several problems were identified.

The most important being an exploitable SQL injection within one of the application modules that could originate a leakage of an important database that drives the application on the Internet. Perhaps even worse, it allowed for the execution of privileged commands at the underlying operating system.

The problem was aggravated by the fact that the configured user had high privilege rights that allowed him/her to connect to the database at the domain level.

Not only could it have allowed an attacker to compromise the front-end system, but could have also escalated the cyberattack to the whole internal infrastructure and systems.

Solution

Our team worked around-the-clock to address those problems by suggesting effective controls, such as implementing secure coding techniques and detection mechanisms for the operations area.

Outcome

We have developed such a long-term and trusted relationship with our customer, that nowadays we continue to support and strengthen its internal maturity process for cybersecurity governance.

We were able to implement a secure development life cycle on its software development areas as well as extend the cybersecurity culture all throughout the organization. This includes operations, infrastructure and security department.